

CUBIT Capability Proposal

Technical Area

Geometry, Meshing, Infrastructure, GUI, Graphics, etc..

Technical Lead

Cubit Developer in charge of technical area

Graphics	Clint
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MRD Description

Describe the capability in terms of how a user would see it.

Parts and assemblies can be selected in the graphics window

Selecting a part or assembly in the GUI entity tree causes the associated volumes to be highlighted in the graphics window.

SRS Description

What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

Give showviz native knowledge of parts and assemblies for the purpose of highlighting.
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Justification

Describe why this is important and what impact it will have if it is implemented. (or not implemented).

When a part or assembly is selected in the GUI entity tree, we have the choice of either displaying the assembly node's properties in the properties window, or we can highlight the associated volumes in the graphics window. I've been told that we current can't do both. That's because showviz doesn't have native knowledge of assemblies. The property page shows what is selected, and highlighting volumes causes those volumes to become selected – the part or assembly is de-selected in the process. Giving knowledge of assembly nodes to showviz allows the volumes to be highlighted without deselecting the assembly node.
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Resources

Who will work on this

Time estimate

How much time will it take in man-weeks

Targeted Release

10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)

Clint	2 weeks	10.2
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Submitted By:**Date:**

Darryl	3/31/06
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